

## M12 female 90° A-cod. with cable

PUR 3x0.75 gy UL/CSA+drag ch. 5m

Female 90° M12, 3-pole 2× LED (PNP)

Invers-polarity protection

Plastic housings with good resistance against chemicals and oils.

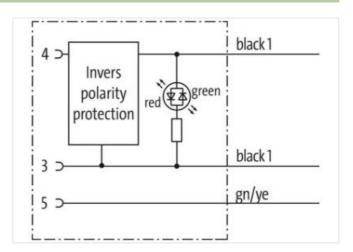
The resistance to aggressive media should be individually tested for your application. Further details on request.

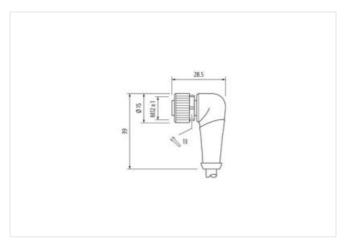
Further cable lengths on request.

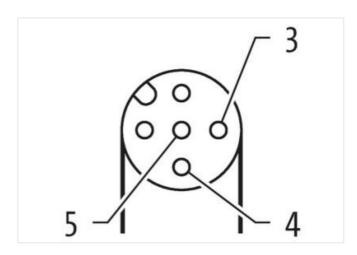
## **Link to Product**

## Illustration









Product may differ from Image





Cable length

Side 1

0,6 Nm Tightening torque

5 m



stay connected

| Mounting method                           | inserted, screwed   |
|---|---|
| Family construction form                  | M12   |
| Thread                                    | M12 x 1   |
| suitable for corrugated tube (internal Ø) | 10 mm   |
| Coding                                    | A   |
| Material                                  | PUR   |
| Width across flats                        | SW13  |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67   |
| Commercial data                           |   |
| ECLASS-6.0                                | 27279218  |
| ECLASS-6.1                                | 27279218  |
| ECLASS-7.0                                | 27279218  |
| ECLASS-8.0                                | 27279218  |
| ECLASS-9.0                                | 27060311  |
| ECLASS-10.1                               | 27060311  |
| ECLASS-11.1                               | 27060311  |
| ECLASS-12.0                               | 27060311  |
| ETIM-5.0                                  | EC001855  |
| customs tariff number GTIN                | 85444290  |
| Packaging unit                            | 4048879462112   |
|   | <u>'</u>  |
| Electrical data   Supply                  |   |
| Operating voltage DC                      | 24 V  |
| Operating voltage DC min.                 | 20,4 V  |
| Operating voltage DC max.                 | 27,6 V  |
| Operating voltage DC (UL-listed)          | 30 V  |
| Current operating per contact max.        | 4 A   |
| Diagnostics                               |   |
| Status indication LED                     | green, red  |
| Installation   Connection                 |   |
| Mounting set                              | M12 x 1   |
| Device protection   Electrical            |   |
| Additional condition protection degree    | inserted, screwed   |
| Pollution Degree                          | 3   |
| Rated surge voltage                       | 0,8 kV  |
| Mechanical data   Material data           | •   |
| ·   | Niekaled  |
| Coating locking  Coating of fitting       | Nickeled nickel plated  |
| Locking material                          | Zinc die-casting  |
| Material screw connection                 | Zinc die-casting Zinc die-casting   |
| Mechanical data   Mounting data           |   |
| •   |   |
| Mounting method                           | inserted, screwed, Shaking protection   |
| Environmental characteristics   Climatic  |   |
| Operating temperature min.                | -25 °C  |
| Operating temperature max.                | 85 °C   |
| Additional condition temperature range    | depending on cable quality  |
| Important installation notes              |   |
| Note on strain relief                     | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |
| Note on bending radius                    | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Installation   Cable                      |   |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-09



## stay connected

| Cable identification                      | 236  |
|---|--|
| Cable Type                                | 3  |
| Printing color of wire insulation         | white (isolation black)  |
| Jacket Color                              | gray   |
| Type of Certificate                       | cURus  |
| Amount stranding                          | 1  |
| Stranding                                 | 3 wires twisted  |
| wire arrangement                          | black 1, black 2, green-yellow                                 |
| Traversing distance (C-track)             | 10 m @ 25 °C   horizontal                                      |
| Cable weigth                              | 56,1 g/m   |
| Material jacket                           | PUR  |
| Shore hardness jacket                     | 90 ± 5 Shore A   |
| Freedom from ingredients (jacket)         | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                   | 5.9 mm   |
| Tolerance outer diameter (sheath)         | ±5%  |
| Material wire insulation                  | PP PP  |
| Amount wires                              | 3  |
| Outer diameter insulation                 | 1.85 mm  |
| Outer diameter tolerance core insulation  | ± 5 %  |
| Shore hardness wire insulation            | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Printing color of wire insulation         | white (isolation black)  |
| Amount strands (wire)                     | 42   |
| Diameter of single wires                  | 0.15 mm  |
| Conductor crosssection (wire)             | 0.75 mm <sup>2</sup>   |
| Material conductor wire                   | Stranded copper wire, bare                                     |
| Conductor type (wire)                     | strand class 6   |
| Nominal voltage AC max.                   | 300 V  |
| Current load capacity (standard)          | to DIN VDE 0298-4  |
| Current load capacity min. wire           | 12 A   |
| Electrical resistance line constant wire  | 26 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)        | 2.5 kV @ 60 s  |
| Power frequency withstand voltage (wire - | · •  |
| jacket)                                   | 2,5 kV @ 60 s  |
| Min. operating temperature (static)       | -40 °C   |
| Max. operating temperature (fixed)        | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)      | -25 °C   |
| Operating temperature max. (dynamic)      | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                          | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2            |
| chemical resistance                       | Good, application-related testing                              |
| Gasoline resistance                       | Good, application-related testing                              |
| Oil resistance                            | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (fixed)                    | 5 x Outer diameter   |
| Bending radius (dynamic)                  | 10 x Outer diameter  |
| Travel speed (C-track)                    | 10 Mio. @ 25 °C  |
| No. of torsion cycles                     | 2 Mio.   |
| Torsion stress                            | ± 180 °/m  |
| Torsion speed                             | 35 cycles/min  |